**3GPP TSG-SA4 Meeting #118-e *S4-220485***

**Electronic Meeting, Telco, April 6-14, 2022**

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| *CR-Form-v12.0* | | | | | | | | |
| **Pseudo CHANGE REQUEST** | | | | | | | | |
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|  |  | **CR** |  | **rev** |  | **Current version:** | 1.0.0 |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network |  | Core Network | **X** |

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| ***Title:*** | Additional Text for Currently Empty Sections | | | | | | | | | |
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| ***Source to WG:*** |  | | | | | | | | | |
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| ***Work item code:*** |  | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***Category:*** |  |  | | | | | ***Release:*** | | |  |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | |  | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | There are still empty clauses in TS 26.532 that need to be filled out | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Proposed text for clauses 6.2.and 6.2.3, and small modification of clause 6.2.1 | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Less complete specification | | | | | | | | |
| ***Q*** | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.2.1, 6.2.2, 6,2,3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | |  | | |
| ***affected:*** | |  | **X** | Test specifications | | | |  | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

FIRST CHANGE

### 6.2.1 Overview

This clause specifies the provisioning API used by the Provisioning AF of an Application Service Provider server to provision and manipulate data collection and event exposure configurations in a Data Collection AF, via the *Ndcaf\_DataReportingProvisioning* service.

NEXT CHANGE

### 6.2.2 Resource structures

#### 6.2.2.1 Resource Structure

Figure 6.2.2.1-1 depicts the URL path model for the Data Reporting Provisioning Sessions resource collection and its subordinate Data Reporting Provisioning Session resources of the *Ndcaf\_DataReportingProvisioning* service.



Figure 6.2.2.1‑1: URL path model of Data Reporting Provisioning Session related resources

Table 6.2.2.1-1 provides an overview of the resources and applicable HTTP methods.

Table 6.2.2‑1: Resources and methods overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Service name | Operation name | Resource name | Resource path suffix | HTTP method | Description |
| Ndcaf\_DataReporting  Provisioning | CreateSession | Data Reporting Provisioning Sessions | /sessions | POST | Provisioning AF establishes a data reporting provisioning session with the Data Collection AF by providing information on what data is to be collected by the Data Collection AF, and how that data is to be processed by the Data Collection AF for subsequent exposure to Event notification subscribers. |
| UpdateSession | Data Reporting Provisioning Session | /sessions/  {sessionId | PUT,  PATCH | Modifies an existing Data Reporting Provisioning Session resource at the Data Collection AF. |
| RetrieveSession | Data Reporting Provisioning Session | /sessions/  {sessionId} | GET | Retrieves an existing Data Reporting Provisioning Session resource from the Data Collection AF. |
| DestroySession |  |  | DELETE | Destroys a Data Reporting Provisioning Session resource. |

#### 6.2.2.2 Data Reporting Provisioning Sessions resource collection

##### 6.2.2.2.1 Description

The Data Reporting Provisioning Sessions resource collection represents the set of all Data Reporting Provisioning Sessions at a given Data Collection AF (service) instance. The resource collection enables a Provisioning AF to create new Data Reporting Provisioning Session resources, and manipulate configuration data of an existing Data Reporting Provisioning Session resource, at the Data Collection AF.

##### 6.2.2.2.2 Resource definition

Resource URL: **{apiRoot}/3gpp-ndcaf\_data-reporting-provisioning/{apiVersion}/sessions**

This resource shall support the resource URL variables defined in table 6.2.2.2.2-1.

Table 6.2.2.2.2-1: Resource URL variables for this resource

|  |  |  |
| --- | --- | --- |
| Name | Data type | Definition |
| apiRoot | string | See clause 5.2. |
| apiVersion |  | See clause 5.2. |

##### 6.2.2.2.3 Resource Standard Methods

###### 6.2.2.2.3.1 Ndcaf\_DataReportingProvisioning\_CreateSession operation using POST method

This service operation shall support the URL query parameters specified in table 6.2.2.2.3.1-1.

Table 6.2.2.2.3.1-1: URL query parameters supported by the POST method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Data type | P | Cardinality | Description |
|  |  |  |  |  |

This service operation shall support the request data structures specified in table 6.2.2.2.3.1-2 and the response data structures and response codes specified in table 6.2.2.2.3.1-4.

Table 6.2.2.2.3.1-2: Data structures supported by the POST request body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| DataReportingProvisioning  Session | M | 1 | Data supplied by the Provisioning AF to enable creation of a new Data Reporting Provisioning Session at the Data Collection AF. |

Table 6.2.2.2.3.1-3: Headers supported for POST requests on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| HTTP request  header | Data type | P | Cardinality | Description |
| Authorization | string | M | 1 | For authentication of the Provisioning AF (see NOTE). |
| Origin | string | O | 0..1 | Indicates the origin of the requester. |
| NOTE: If OAuth2.0 authorization is used the value would be “Bearer” followed by a string representing the token, see section 2.1 of RFC 6750 [8]. | | | | |

Table 6.2.2.2.3.1-4: Data structures supported by the POST response body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response  codes | Description |
| DataReportingProvisioningSession | M | 1 | 201 Created | The creation of a Data Reporting Provisioning Session resource along with the configuration data provided by the Provisioning AF for this session is confirmed by the Data Collection AF. |
| NOTE: The mandatory HTTP error status codes for the POST method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [9] also apply. | | | | |

Table 6.2.2.2.3.1-5: Headers supported by the *201* (*Created*) response code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| HTTP response header | Data type | P | Cardinality | Description |
| Location | string | M | 1 | The URL of the newly created resource at the Data Collection AF, according to the structure: {apiRoot}/ndcaf-data-reporting-provisioning/{apiVersion}/sessions/{sessionId} |
| Access-Control-Allow-Origin | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header. |
| Access-Control-Allow-Methods | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header.  Valid values: POST, PUT, DELETE |
| Access-Control-Expose-Headers | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header.  Valid values: Location |

NOTE: Standard HTTP redirection using a 3xx response code with the Location header as well as Alt-Svc are allowed.

#### 6.2.2.3 Data Reporting Provisioning Session resource

##### 6.2.2.3.1 Description

The Data Reporting Provisioning Session resource represents a single session within the collection of Data Reporting Provisioning Sessions at a given Data Collection AF.

##### 6.2.2.3.2 Resource definition

Resource URL: **{apiRoot}/3gpp-ndcaf\_data-reporting-provisioning/{apiVersion}/sessions/{sessionionId}**

This resource shall support the resource URI variables defined in table 6.2.2.3.2-1.

Table 6.2.2.3.2-1: Resource URL variables for this resource

|  |  |  |
| --- | --- | --- |
| Name | Data type | Definition |
| apiRoot | string | See clause 5.2. |
| sessionId | string | See clause 5.2. |

##### 6.2.2.3.3 Resource standard methods

###### 6.2.2.3.3.1 Ndcaf\_DataReportingProvisioning\_RetrieveSession operation using GET method

This method shall support the URL query parameters specified in table 6.2.2.3.3.1-1 and the headers specified in table 6.2.2.3.3.1-2.

Table 6.2.2.3.3.1-1: URL query parameters supported by the GET method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
|  |  |  |  |  |

Table 6.2.2.3.3.1-2: Headers supported for GET requests on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| HTTP request header | Data type | P | Cardinality | Description |
| Authorization | string | M | 1 | For authentication of the Provisioning AF (see NOTE). |
| Origin | string | O | 0..1 | Indicates the origin of the requester. |
| NOTE: If OAuth2.0 authorization is used, the value is Bearer followed by a string representing the token, see section 2.1 RFC 6750 [8]. | | | | |

This method shall support the response data structures and response codes specified in table 6.2.2.3.3.1-3.

Table 6.2.2.3.3.1-3: Data structures supported by the GET response body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response codes | Description |
| DataReportingProvisioningSession | M | 1 | 200 OK | The Data Reporting Provisioning Session resource and its associated configuration data was successfully created or modified by the Provisioning AF. |
| ProblemDetails | O | 0..1 | 307 Temporary Redirect | Temporary redirection during a Data Reporting Session Provisioning session creation or modification procedure. The response shall include a Location header field containing an alternative URL of the resource located in another Data Collection AF (service) instance.  Applicable if the feature "ES3XX" (Extended Support of HTTP 307/308 redirection as defined in TS 29.502 [11]) is supported. |
| ProblemDetails | O | 0..1 | 308 Permanent Redirect | Permanent redirection during a Data Reporting Session Provisioning session creation or modification procedure. The response shall include a Location header field containing an alternative URL of the resource located in another Data Collection AF (service) instance.  Applicable if the feature "ES3XX" is supported. |
| ProblemDetails | O | 0..1 | 404 Not Found | This Data Reporting Provisioning Session resource does not exist (see NOTE 2). |
| NOTE 1: The mandatory HTTP error status codes for the GET method as listed in table 5.2.7.1-1 of 3GPP TS 29.500 [9] also apply.  NOTE 2: Failure cases are described in subclause 6.2.4. | | | | |

Table 6.2.2.3.3.1-5: Headers supported by the 200 response code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| HTTP response header | Data type | P | Cardinality | Description |
| Access-Control-Allow-Origin | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header. |
| Access-Control-Allow-Methods | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header.  Valid values: POST, PUT, DELETE. |
| Access-Control-Expose-Headers | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header.  Valid values: Location. |

Table 6.2.2.3.3.1-6: Headers supported by the 307 and 308 response codes on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| HTTP response header | Data type | P | Cardinality | Description |
| Location | string | M | 1 | An alternative URL of the resource located in another Data Collection AF (service) instance. |
| 3gpp-Sbi-Target-Nf-Id | string | O | 0..1 | Identifier of the target NF (service) instance towards which the request is redirected |
| Access-Control-Allow-Origin | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header. |
| Access-Control-Allow-Methods | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header.  Valid values: POST, PUT, DELETE |
| Access-Control-Expose-Headers | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header.  Valid values: Location |

###### 6.2.2.3.3.2 Ndcaf\_DataReportingProvisioning\_UpdateSession operation using PUT or PATCH method

This method shall support the URL query parameters specified in table 6.2.2.3.3.2-1.

Table 6.2.2.3.3.2-1: URL query parameters supported by the PUT or PATCH method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
|  |  |  |  |  |

This method shall support the request data structures specified in table 6.2.2.3.3.2-2 and the response data structures and response codes specified in table 6.2.2.3.3.2-4.

Table 6.2.2.3.3.2-2: Data structures supported by the PUT or PATCH request body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| DataReportingProvisioning  Session | M | 1 | Parameters to replace or modify Provisioning AF provided configuration data for a Data Reporting Provisioning Session resource. |

Table 6.2.2.3.3.2-3: Headers supported for PUT or PATCH requests on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| HTTP request header | Data type | P | Cardinality | Description |
| Authorization | string | M | 1 | For authentication of the Provisioning AF (see NOTE). |
| Origin | string | O | 0..1 | Indicates the origin of the requester. |
| NOTE : If OAuth2.0 authorization is used the value is *Bearer* followed by a string representing the token, see section 2.1 RFC 6750 [8] | | | | |

Table 6.2.2.3.3.2-4: Data structures supported by the PUT or PATCH response body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response codes | Description |
| DataReportingProvisioningSession | M | 1 | 200 OK | The replacement or modification of a Data Reporting Session Provisioning resource along with the configuration data provided by the Provisioning AF for this session is confirmed by the Data Collection AF. |
| ProblemDetails | O | 0..1 | 307 Temporary Redirect | Temporary redirection, during a Data Reporting Provisioning Session replacement or modification procedure. The response shall include a Location header field containing an alternative URL of the resource located in another Data Collection AF (service) instance.  Applicable if the feature "ES3XX" (Extended Support of HTTP 307/308 redirection as defined in TS 29.502 [11]) is supported. |
| ProblemDetails | O | 0..1 | 308 Permanent Redirect | Permanent redirection, during a Data Reporting Provisioning Session replacement or modification procedure. The response shall include a Location header field containing an alternative URL of the resource located in another Data Collection AF (service) instance.  Applicable if the feature "ES3XX" is supported. |
| ProblemDetails | O | 0..1 | 404 Not Found | This Data Reporting Provisioning Session resource does not exist (see NOTE 2). |
| NOTE 1: The mandatory HTTP error status codes for the PUT method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [9] also apply.  NOTE 2: Failure cases are described in subclause 6.2.4. | | | | |

Table 6.2.2.3.3.2-5: Headers supported by the 200 response code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| HTTP response header | Data type | P | Cardinality | Description |
| Access-Control-Allow-Origin | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header. |
| Access-Control-Allow-Methods | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header.  Valid values: POST, PUT, DELETE. |
| Access-Control-Expose-Headers | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header.  Valid values: Location. |

Table 6.2.2.3.3.2-6: Headers supported by the 307 and 308 response codes on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| HTTP response header | Data type | P | Cardinality | Description |
| Location | string | M | 1 | An alternative URL of the resource located in another Data Collection AF (service) instance. |
| 3gpp-Sbi-Target-Nf-Id | string | O | 0..1 | Identifier of the target NF (service) instance towards which the request is redirected |
| Access-Control-Allow-Origin | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header. |
| Access-Control-Allow-Methods | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header.  Valid values: POST, PUT, *PATCH,* DELETE |
| Access-Control-Expose-Headers | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header.  Valid values: Location |

###### 6.2.2.3.3.3 Ndcaf\_DataReportingProvisioning\_DestroySession operation using DELETE method

This service operation shall support the URL query parameters specified in table 6.2.2.3.3.3-1.

Table 6.2.2.3.3.3-1: URL query parameters supported by the DELETE method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
|  |  |  |  |  |

This method shall support the request data structures and headers as specified in tables 6.2.2.3.3.3-2 and 6.2.2.3.3.3-3, respectively. Furthermore, this method shall support the response data structures as specified in table 6.2.2.3.3.3-4, and the different response codes as specified in tables 6.2.2.3.3.3-5 and 6.2.2.3.3.3-6, respectively.

Table 6.2.2.3.3.3-2: Data structures supported by the DELETE request body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
|  |  |  |  |

Table 6.2.2.3.3.3-3: Headers supported for DELETE requests on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| HTTP request header | Data type | P | Cardinality | Description |
| Authorization | string | M | 1 | For authentication of the Provisioning AF (see NOTE). |
| Origin | string | O | 0..1 | Indicates the origin of the requester. (NOTE 2) |
| NOTE: If OAuth2.0 authorization is used the value is *Bearer* followed by a string representing the token, see section 2.1 of RFC 6750 [8]. | | | | |

Table 6.2.2.3.3.3-4: Data structures supported by the DELETE response body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response  codes | Description |
| n/a |  |  | 204 No Content | Successful case: The Data Reporting Provisioning Session resource matching the sessionId was destroyed at the Data Collection AF. |
| ProblemDetails | O | 0..1 | 307 Temporary Redirect | Temporary redirection during Data Reporting Provisioning Session destruction. The response shall include a Location header field containing an alternative URL of the resource located in another Data Collection AF (service) instance.  Applicable if the feature "ES3XX" as defined in TS 29.502 [11] is supported. |
| ProblemDetails | O | 0..1 | 308 Permanent Redirect | Permanent redirection during Data Reporting Provisioning Session destruction. The response shall include a Location header field containing an alternative URL of the resource located in another Data Collection AF (service) instance.  Applicable if the feature "ES3XX" is supported. |
| ProblemDetails | O | 0..1 | 404 Not Found | The Data Reporting Provisioning Session resource does not exist (see NOTE 2). |
| NOTE 1: The mandatory HTTP error status codes for the DELETE method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [9] also apply.  NOTE 2: Failure cases are described in subclause 6.2.4. | | | | |

Table 6.2.2.3.3.3-5: Headers supported by the 204 response code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| HTTP response header | Data type | P | Cardinality | Description |
| Access-Control-Allow-Origin | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header. |
| Access-Control-Allow-Methods | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header.  Valid values: POST, PUT, DELETE. |
| Access-Control-Expose-Headers | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header.  Valid values: Location. |

Table 6.2.2.3.3.3-6 Headers supported by the 307 and 308 response codes on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| HTTP response header | Data type | P | Cardinality | Description |
| Location | string | M | 1 | An alternative URL of the resource located in another Data Collection AF (service) instance. |
| 3gpp-Sbi-Target-Nf-Id | string | O | 0..1 | Identifier of the target NF (service) instance towards which the request is redirected |
| Access-Control-Allow-Origin | string | O | 0..1 | Part of CORS [10].Supplied if the request included the Origin header. |
| Access-Control-Allow-Methods | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header.  Valid values: POST, PUT, *PATCH,* DELETE. |
| Access-Control-Expose-Headers | string | O | 0..1 | Part of CORS [10]. Supplied if the request included the Origin header.  Valid values: Location. |

NEXT CHANGE

### 6.2.3 Data model

#### 6.2.3.1 General

Table 6.2.3.1-1 specifies the data types used by the Ndcaf\_DataReportingProvisioning\_CreateSession, Ndcaf\_DataReportingProvisioning\_‌Retrieve‌Session, Ndcaf\_DataReportingProvisioning\_UpdateSession and Ndcaf\_DataReportingProvisioning\_DestroySession operations.

Table 6.2.3.1-1: Data types specific to Ndcaf\_DataReportingProvisioning\_CreateSession, Ndcaf\_DataReportingProvisioning\_RetrieveSession, Ndcaf\_DataReportingProvisioning\_UpdateSession and Ndcaf\_DataReportingProvisioning\_DestroySession operations

|  |  |  |
| --- | --- | --- |
| Data type | Clause defined | Description |
| DataReportingProvisioningSession | 6.2.3.2.1 | Configuration by the Data Collection AF of the Provisioning AF, specifying the data to be collected, processed and reported via Event exposure. |

Table 6.2.3.1-2 specifies data types re-used from other specifications by the Ndcaf\_DataReportingProvisioning\_CreateSessions, Ndcaf\_DataReportingProvisioning\_RetrieveSession, Ndcaf\_DataReportingProvisioning\_UpdateSession and Ndcaf\_DataReportingProvisioning\_‌Destroy‌Session operations, including a reference to their respective specifications.

Table 6.2.3.1-2: Externally defined data types used by Ndcaf\_DataReportingProvisioning\_CreateSession, Ndcaf\_DataReportingProvisioning\_RetrieveSession, Ndcaf\_DataReportingProvisioning\_UpdateSession and Ndcaf\_DataReportingProvisioning\_DestroySession operations

|  |  |  |
| --- | --- | --- |
| Data type | Comments | Reference |
| ApplicationId | Identifies the reporting application. | 3GPP TS 29.571 [12] |
| DateTime |  |
| DurationSec |  |
| Double |  |
| Float |  |
| Int32 |  |
| Int64 |  |
| Uint16 |  |
| Uint32 |  |
| Uint64 |  |
| Uinteger |  |

#### 6.2.3.2 Structured data types

##### 6.2.3.2.1 DataReportingProvisioningSession resource type

Table 6.2.3.2.1-1: Definition of DataReportingSession resource type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Property name | Data type | Cardinality | Usage | Description |
| provisioningsessionId | string | 1..1 | C: R  R: RO | A unique identifier for this Data Reporting Provisioning Session. |
| validUntil | DateTime | 0..1 | C: RO R: RO | The time when the information in this Data Reporting Session expires.  The data collection client, if still active, should request an up-to-date Data Reporting Session before this time. |
| aspId | AspId | 0..1 | C: W  R: RO | The identity of the Application Service Provider whose Provisioning AF is responsible for this Data Reporting Provisioning Session, as specified in clause 5.6.2.3 of TS 29.514 [34]. |
| externalApplicationId | ApplicationID | 1 | C: RW R: RO U: RO | The external application identifier, nominated by the Provisioning AF, to which this Data Reporting Provisioning Session pertains. |
| supportedDomains | array(DataDomain) | 1 | C: RW R: RO U: RW | Set of domains for which the Provisioning AF declares that it wishes to obtain UE data reports from the Data Collection AF. (See clause 6.2.3.3.1).  An empty array indicates that no UE data reports should be provided by the Data Collection AF. |
| reportForDomains | array(DataDomain) | 0..1 | C: RO R: RO U: RO | Subset of supportedDomains above for which the Data Collection AF is requested to provide UE data reports via Event exposure.  If the Provisioning AF signals an empty array, no UE data reports should be provided by the Data Collection AF. |
| reportingCondition | ReportCondition | 0..1 | C: RO  R: RO  U: RO | The condition for reporting by the Data Collection AF, signalled by the Provisioning AF. (See clause 6.2.3.2.2.) |
| metricsReporting‌ConfigurationIds | Array(ResourceId) | 0..1 | C: –  R: RO | A list of Metrics Reporting Configuration identifiers currently associated with this Data Reporting Provisioning Session. |
| policyTemplateIds | Array(ResourceId) | 0..1 | C: –  R: RO | A list of Policy Template identifiers currently associated with this Data Reporting Provisioning Session. |
| eventDataProcessing‌ConfigurationIds | Array(ResourceId) | 0..1 | C: –  R: RO | A list of Event Data Processing Configuration identifiers currently associated with this Data Reporting Provisioning Session. |

##### 6.2.3.2.2 ReportCondition type

Table 6.2.3.2.2-1: Definition of ReportCondition type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Property name | Data type | P | Cardinality | Description |
| type | ConditionType | M | 1 | Type of condition, see clause 6.2.3.3.2 |
| intervalLength | DurationSec | C | 0..1 | Only applicable when type is INTERVAL (see NOTE 1). |
| threshold | Double, Float, Int32, Int64, Uint16, Uint32, Uint64, or Uinteger | C | 0..1 | Only applicable when type is THRESHOLD(see NOTE 1). |
| parameter | string | C | 0..1 | Only applicable when type is THRESHOLD (see NOTE 1). |
| reportWhenBelow | boolean | C | 0..1 | Only applicable when type is THRESHOLD (see NOTE 1). |
| event | Event | C | 0..1 | Only applicable when type is EVENT (see NOTE 2). |
| NOTE 1: See clause 6.2.3.3.2 and table 6.2.3.1-2.  NOTE 2: See clauses 6.2.3.3.2 and 6.2.3.3.3. | | | | |

#### 6.2.3.3 Simple data types and enumerations

##### 6.2.3.3.1 DataDomain enumeration

Table 6.2.3.3.1-1: DataDomain enumeration

|  |  |  |
| --- | --- | --- |
| Enumeration value | Description | Applicability (refer to Table 6.3.3.2.1-1) |
| SERVICE\_EXPERIENCE | Service Experience data. | serviceExperienceRecords |
| LOCATION | Location data. | locationRecords |
| COMMUNICATION | Communication data. | communicationRecords |
| PERFORMANCE | Performance data. | performanceDataRecords |
| APPLICATION\_SPECIFIC | Combination of QoE metrics and application service-specific data. | applicationSpecificRecords |
| MS\_ACCESS\_ACTIVITY | 5GMS access activity data. | mediaStreamingAccessRecords |
| PLANNED\_TRIPS | Data related to planned trips. | tripPlanRecords |

##### 6.2.3.3.2 ConditionType enumeration

Table 6.2.3.3.2-1: ConditionType enumeration

|  |  |
| --- | --- |
| Enumeration value | Description |
| INTERVAL | Report at a regular interval. |
| THRESHOLD | Report when a threshold is passed. |
| EVENT | Report on event. |
| OFF | Do not report. |

##### 6.2.3.3.3 Event enumeration

This clause lists the possible events (EVENT in table 6.2.3.3.2-1) that can be used to trigger a report.

Table 6.2.3.3.3-1: Event enumeration

|  |  |
| --- | --- |
| Enumeration value | Description |
| LOCATION | A new location has been entered (refer to clause A.3). |
| DESTINATION | A new destination has been recorded (refer to clause A.7). |

### 6.2.4 Error handling

### 6.2.5 Mediation by NEF

END OF CHANGES